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	NFPA DESIGNATION 704	SUNNEN
HAZARD RATING 4=Extreme 3=High	- HEALTH 0 -	MATERIAL SAFETY DATA SHEET
2=Moderate 1=Slight 0=Insignificant	- REACTIVITY 0	
MANUFACTURER'S NAME:	SUNNEN PRODUCTS COMPANY	SECTION 1 NAME AND PRODUICT
ADDRESS:	7910 Manchester Ave. St. Louis, Mo. 63143 United States of America	CONTACT: Terry Heller EMERGENCY PHONE NO: 314-781-2105 APPROVED BY: Terry Heller TITLE: Menager, Materials R/C DATE: August 15, 1987

TRADE NAME, COMMON NAME OR SPECIFICATION: Sunnen CRG OR VR Grinding Wheel (Example CRG-803 or VR-601).

CHENICAL FAMILY: Vitrified Abrasive

CLASSIFICATION: Not applicable

D.O.T. SHIPPING CLASS: Not applicable

SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY (PER 29 C.F.R. 1910.1200(g))

COMMON	CHEMICAL NAME OF COMPONENTS	CAS NO	OSHA PEL	ACGIH TLV-TWA	CARCINOGENIC
			mg./cu. m.	mg./cu. m.	
A LANGE Me	409-21-2	15 Total Dust	10 Total dust	N	
	1344-28-1	15 Total Dust	10 Total dust	, N	

FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS, INDUSTRIAL SALES DEPARTMENT.

SECTION 3 PHYSICAL & CHEMICAL CHAPACTERITOR

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS	
SPECIFIC GRAVITY (WATER=1)3 (APPROX)	PERCENT VOLATILE BY WEIGHTNOT VOLATILE
MELTING POINTNO APPLICABLE INFORMATION FOUND.	VAPOR PRESSURE (mm Hg)NOT VOLATILE
VAPOR DENSITY (Air=1)NOT VOLATILE	
SOLUBILITY IN WATERSLIGHT	EVAPORATION RATENOT VOLATILE
	REACTIVITY IN WATER
APPEARANCE AND ODORSOLID MATERIAL. MAY GIVE OFF ODOR IN US-	

SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: NONE Refer to Section 7.

SECTION 5 CORROSIVITY AND REACTIVITY DATA

STABILITY: MATERIAL IS STABLE UNDER NORMAL CONDITIONS OF TRANSPORT AND STORAGE.

POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid acids of all types with a PM <=4.0. HAZARDOUS DECOMPOSITION PRODUCTS: In use, dusts are generated. In most cases, the material removed from the work piece will be significantly greater than the grinding wheel components. Coolants may produce other decomposition products.

SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE

USING THE GRINDING WHEEL IN ITS INTENDED MANNER MAY PRODUCE POTENTIALLY HAZARDOUS DUST OR FUMES WHICH CAN BE INHALED, SWALLOWED, OR COME IN CONTACT WITH THE SKIN OR EYES.

PRIMARY ROUTE(S) OF ENTRY ARE: INHALATION, INGESTION, AND SKIN ABSORPTION.

ACTITE:

Dust or fume may leave a metallic taste in the mouth, result in metal fume fever or produce flu-like symptoms. Dust may cause irritation to the eyes, skin, nose, or throat. Inhalation of dust during grinding may produce coughing and shortness of breath. Symptoms may be aggravated for sensitive individuals with respiratory conditions such as emphysema. Persons with light skin, sensitive skin or large amounts of body hair may experience increased sensitivity to skin disorders from contact with metal fines. Grinding may create elevated sound levels which may affect hearing.

CHRONIC: Inhalation during grinding may affect breathing capacity and cause permanate lung disease. Prolonged exposure to excessive noise can cause permanent hearing loss.

EMERGENCY FIRST AID

INHALATION: Remove to fresh air. If not breathing, begin mouth to mouth resuscitation. Seek medical attention. EYE CONTACT: Remove contact lenses (if wearing) and flush eyes with water to remove particulates. Seek medical attention to check for possible irritation. SKIN CONTACT: Brush off excess dust. Wash hands with mild non-abrasive soap and water. INGESTION: Seek medical attention.

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: SEE ANSI STANDARD B7.1

NORMAL USE: MANDLE WITH ADEQUATE VENTILATION. SEE OSHA 29 CFR 1910.94 (VENTILATION) AND 29 CFR 1910.1000 (AIR CONTAMINATES).
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Normal cleanup procedures.

WASTE DISPOSAL METHODS: Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required under normal conditions of use with adequate ventilation. If dust levels approach TLV use a NIOSH approved respirator or forced ventilation to maintain dust levels below ACGI H/OSHA TLV/PEL levels. See OSHA 29 CFR 1910.134. VENTILATION LOCAL: Recommended. MECHANICAL: Recommended.

SKIN PROTECTION: Not required.

EYE PROTECTION: Always wear NIOSH approved safety glasses when operating machinery. See OSHA 29 CFR 1910.133.
OTHER EQUIPMENT: Hearing protection if noise levels exceed NIOSH/OSHA TLV/PEL levels. See OSHA 29 CFR 1910.215

SECTION 9 FIRE AND EXPLOSION HAZARD DATA

No hazard. Not combustible in air.

NOTICE

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